

A diagram of a p-n junction. It shows a rectangular block divided into two regions. The left region is labeled 'P-surface' and contains several small circles with a cross inside, representing acceptor ions. The right region is labeled 'N-surface' and contains several small circles with a dot inside, representing donor ions. A vertical line separates the two regions, representing the depletion region. Above the block, there are two wavy lines representing the surface of the semiconductor.

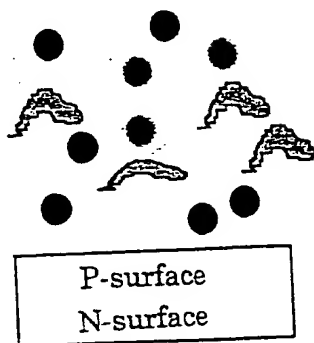
○ Inorganic ion forming bones  
● Protein  
— Cell


A diagram of a PN junction. It consists of a horizontal rectangle. Above the rectangle, there are four circular symbols. The first is a simple circle. The second is a circle with a wavy line above it. The third is a circle with a cross-hatch pattern. The fourth is a circle with a wavy line above it and a cross-hatch pattern. Below the rectangle, the text "N-surface" is written on the left and "P-surface" is written on the right.

Polarized ceramics

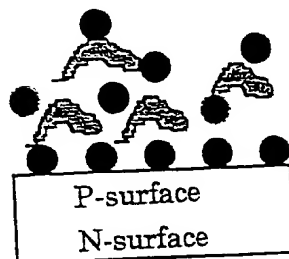
### Formation of a new bone

(1) At the initial time

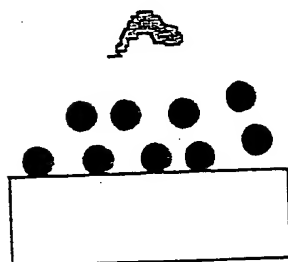


● Chlorine ion  
 Bacterium

(2) At an intermediate time



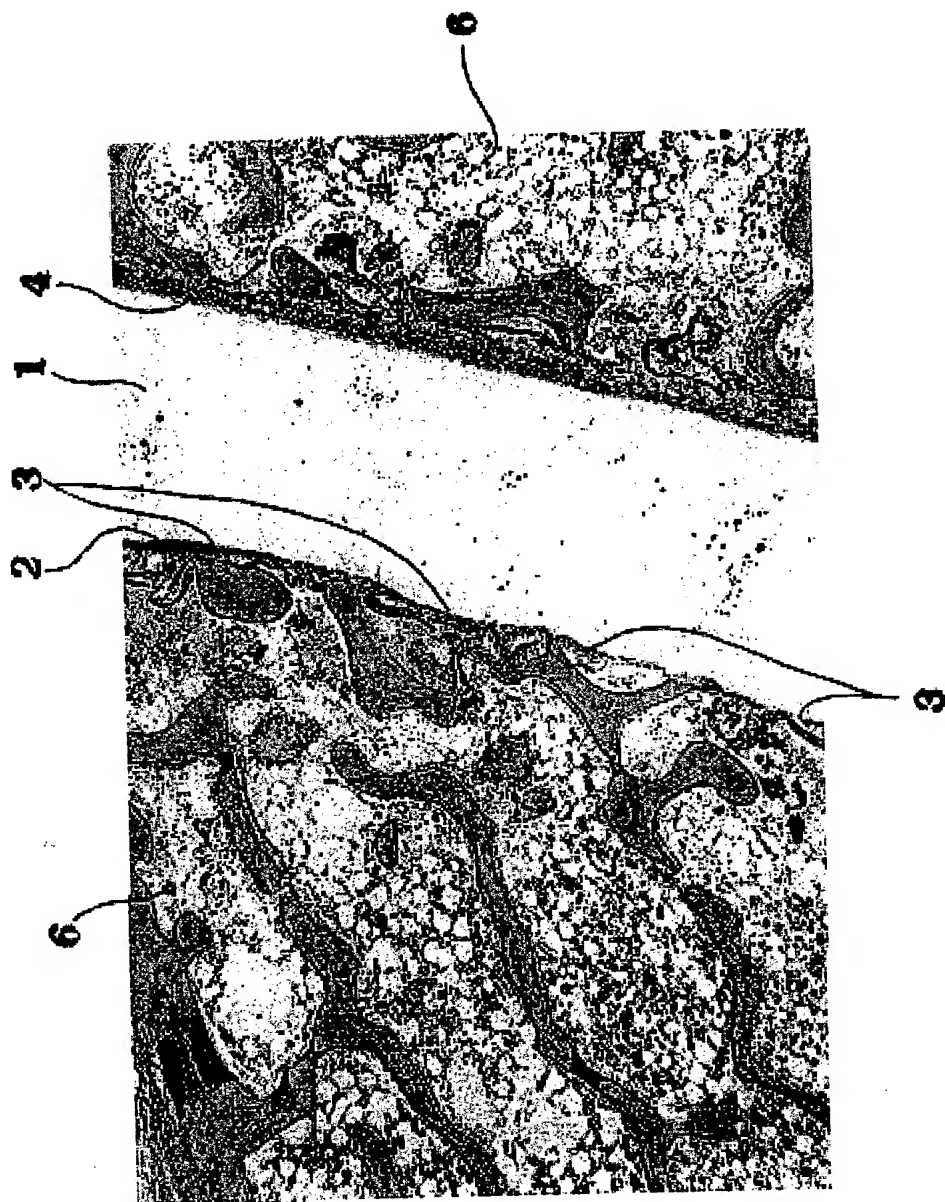
(3) After use



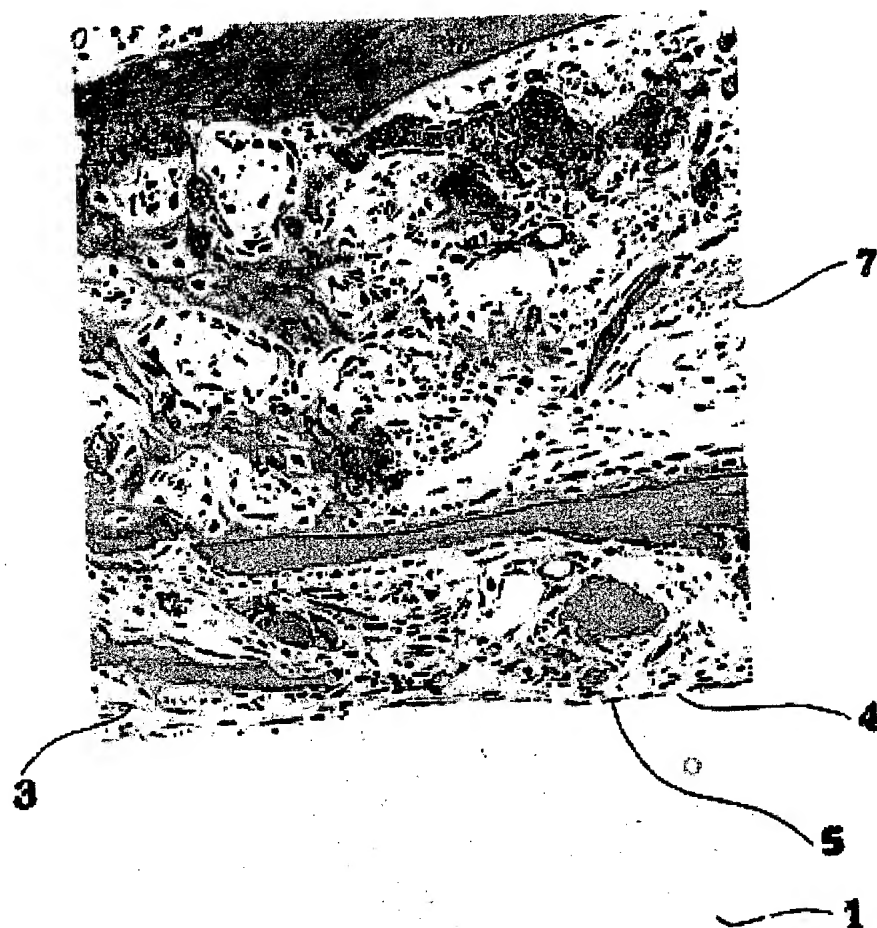
Bacteria killed

000000-09722500

【图 3】

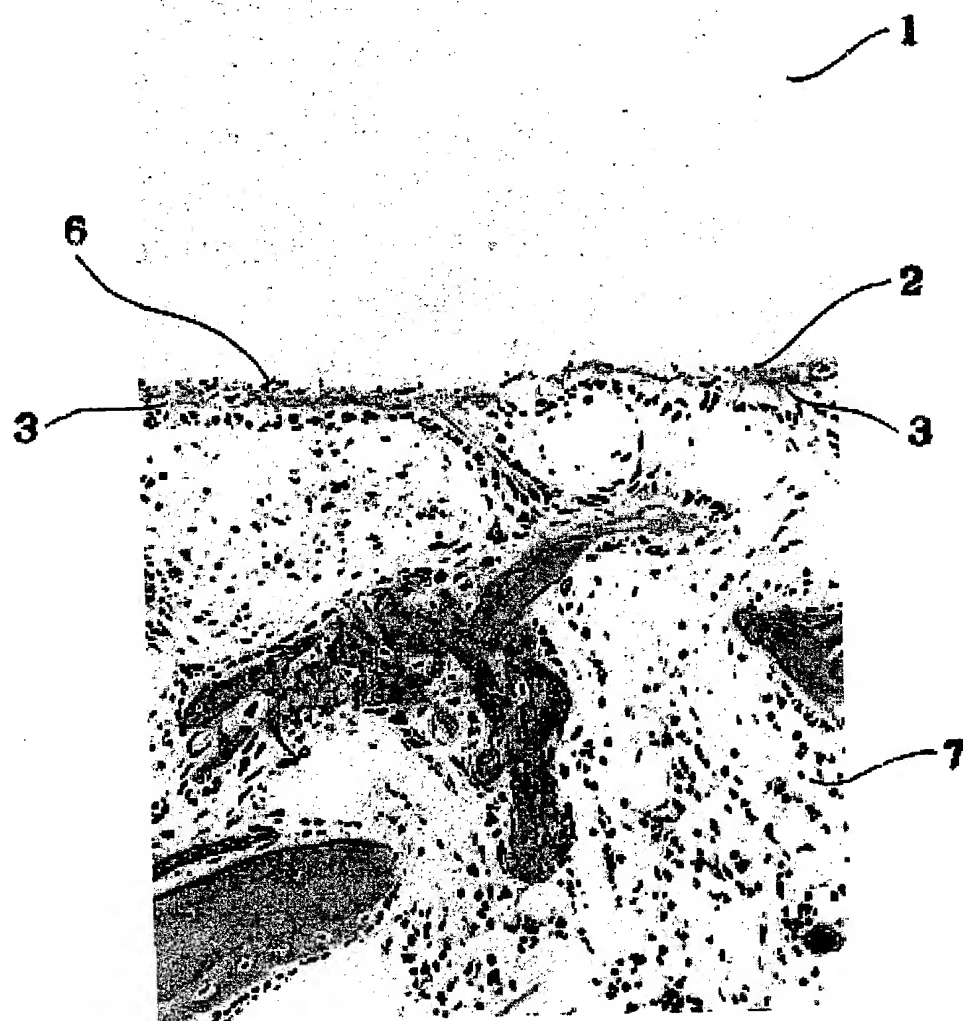


【図4】



00533150.032300

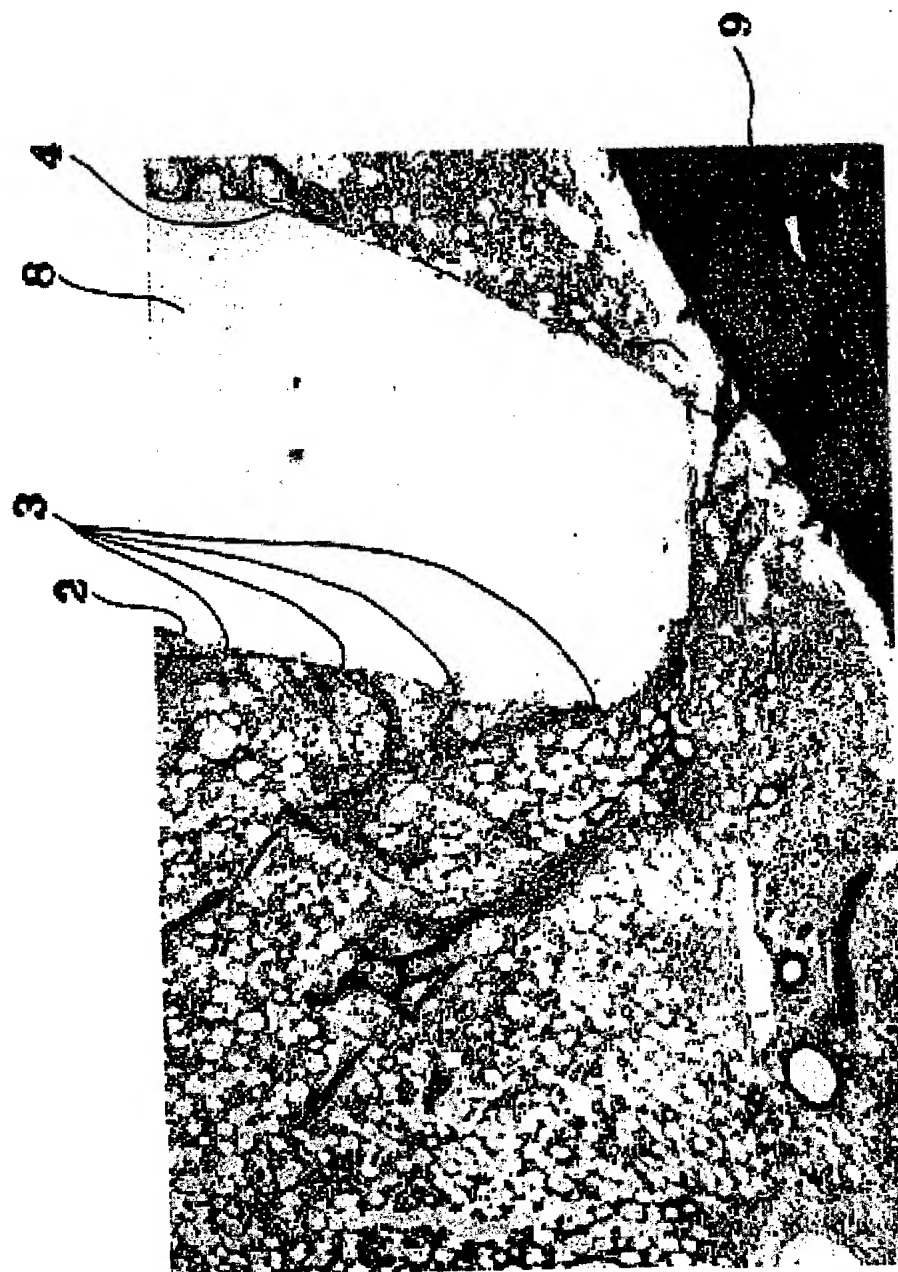
【図5】

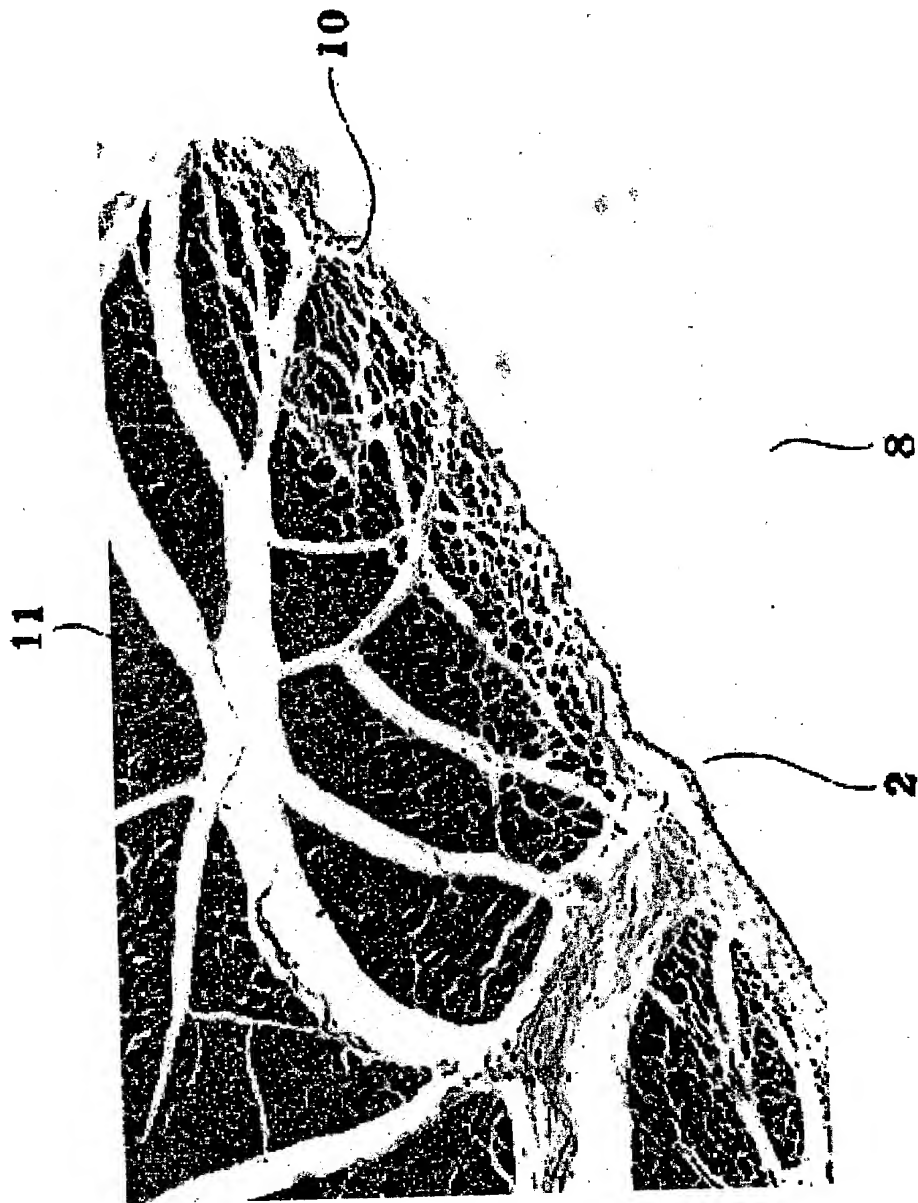


002220-0515560

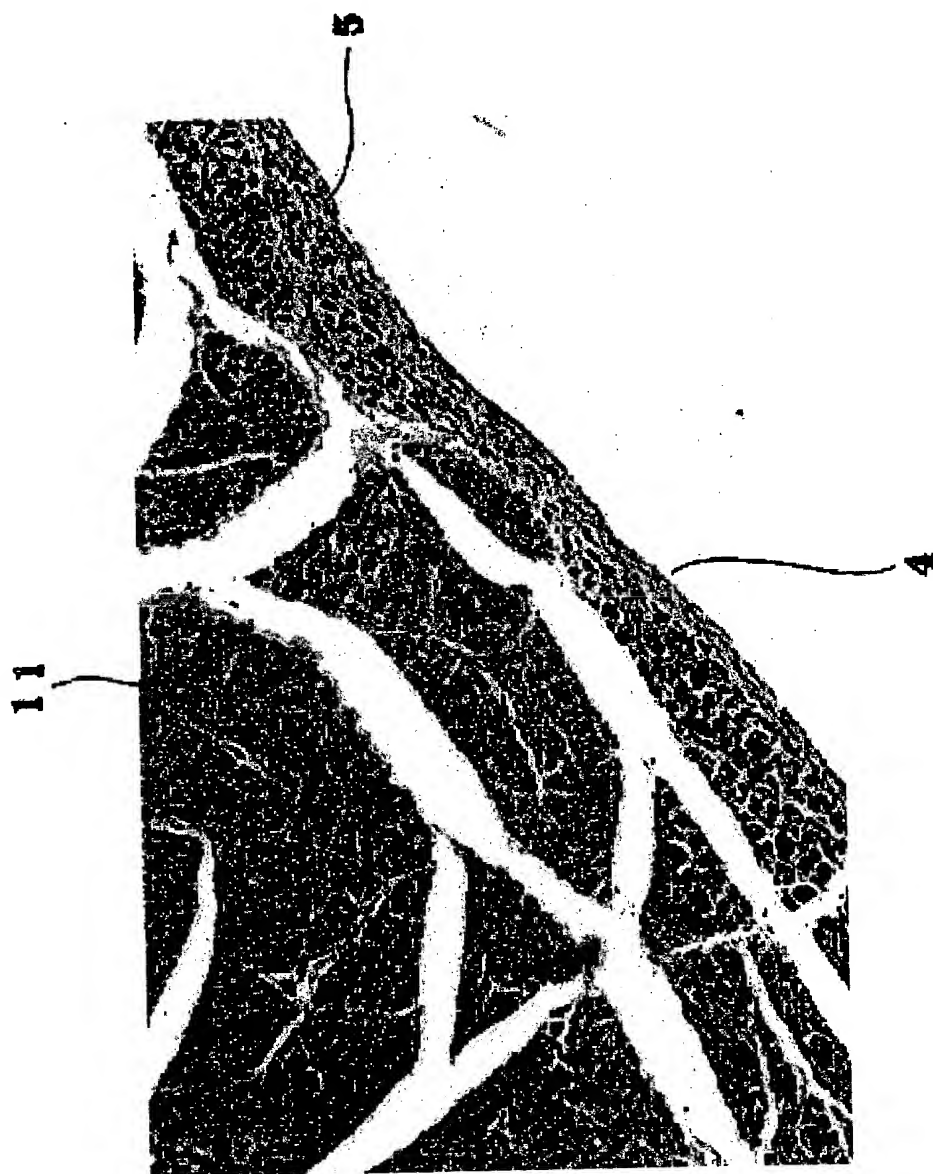
00533450-032300

【图6】

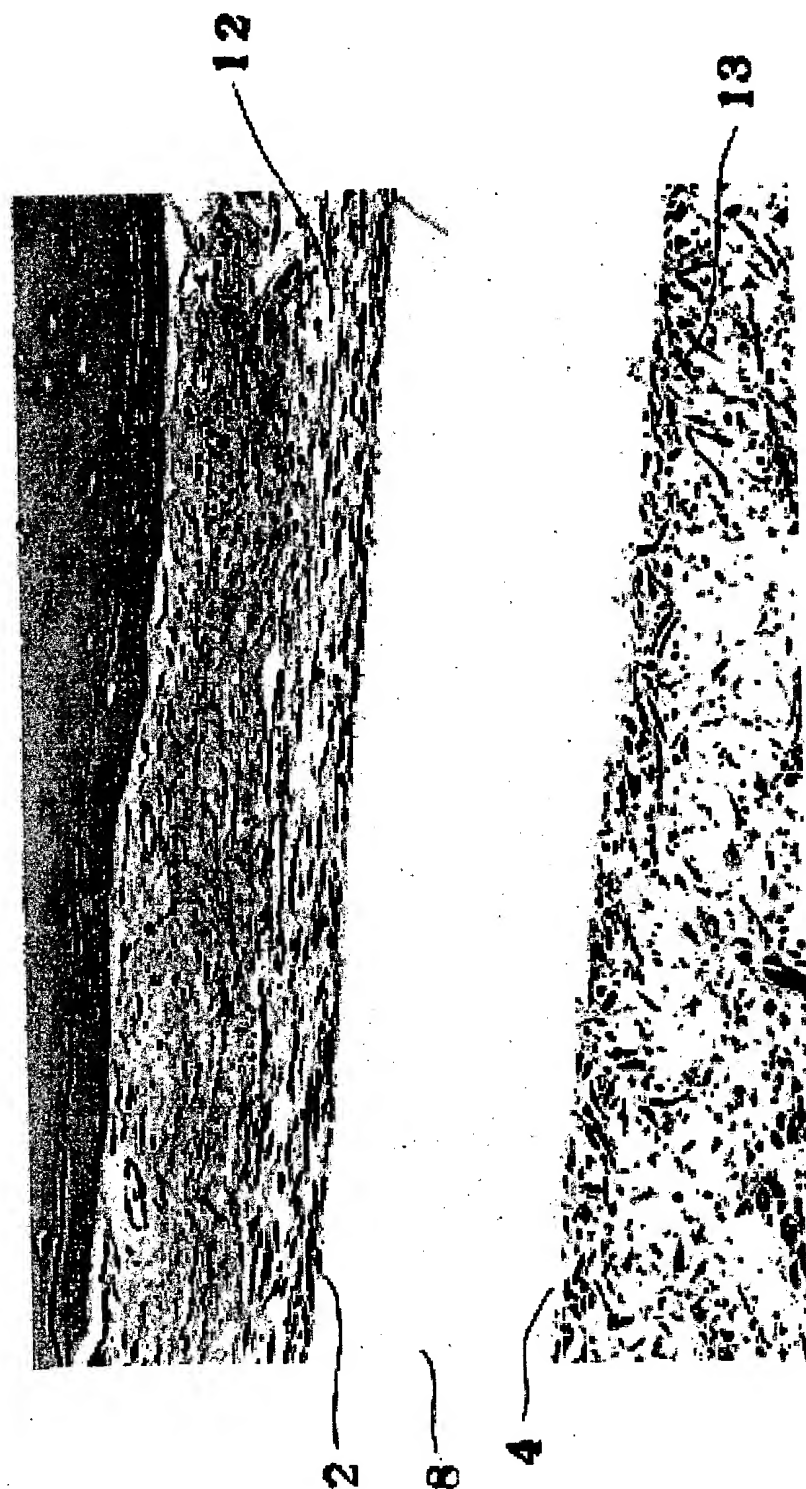


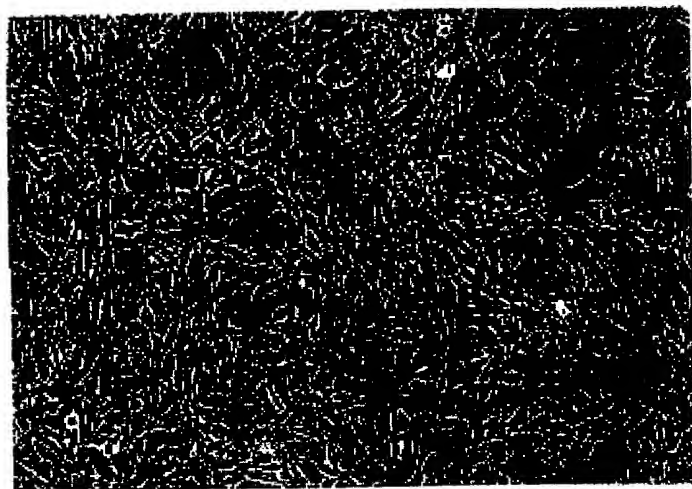


【图8】



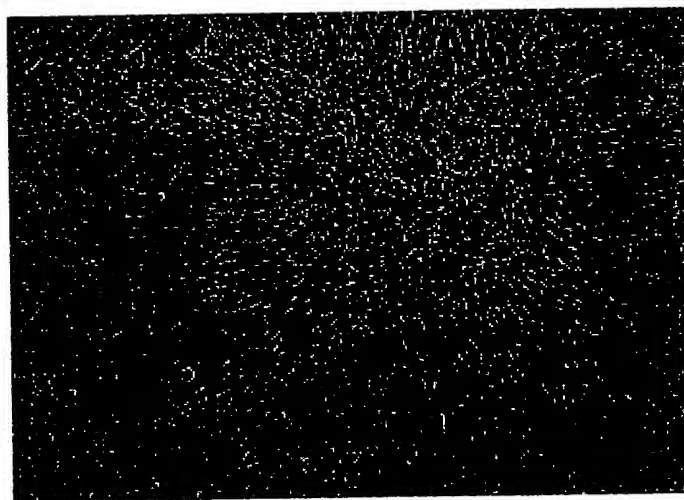






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Control (Cell culture dish)



2

Negatively charged surface



4

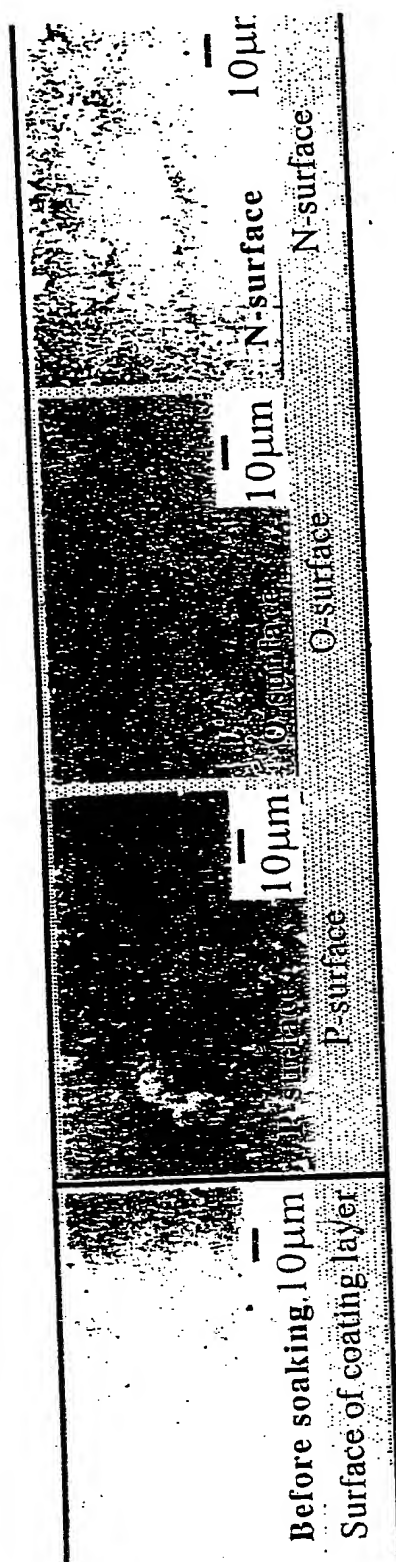
Positively charged surface

000000-05700000

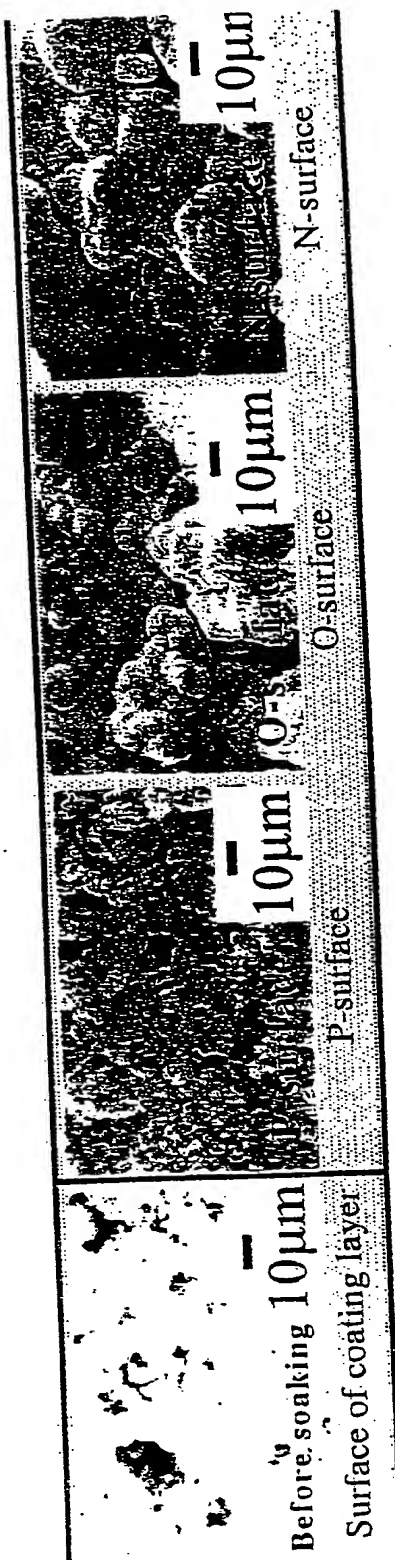
00533150-032300



【図 1 2】

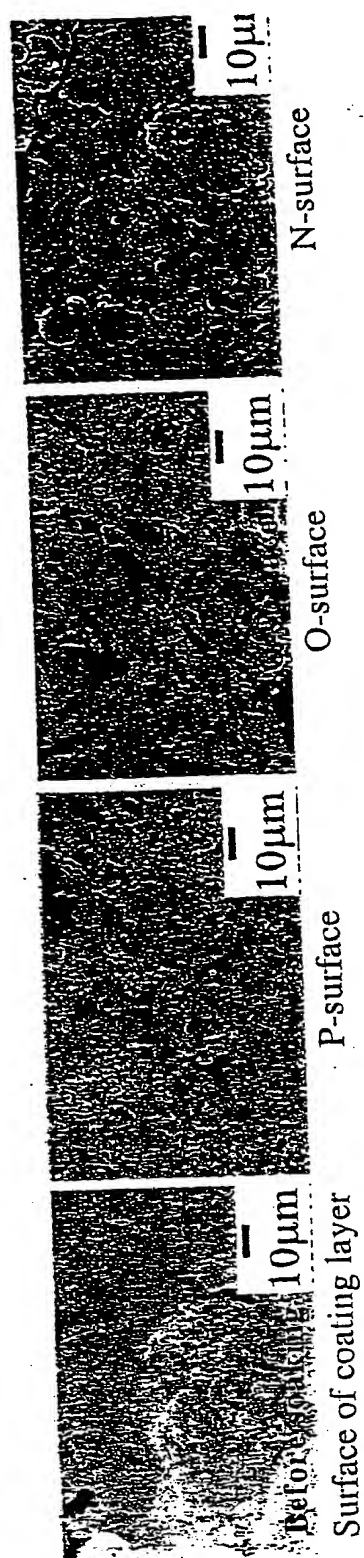


【図 1 3】

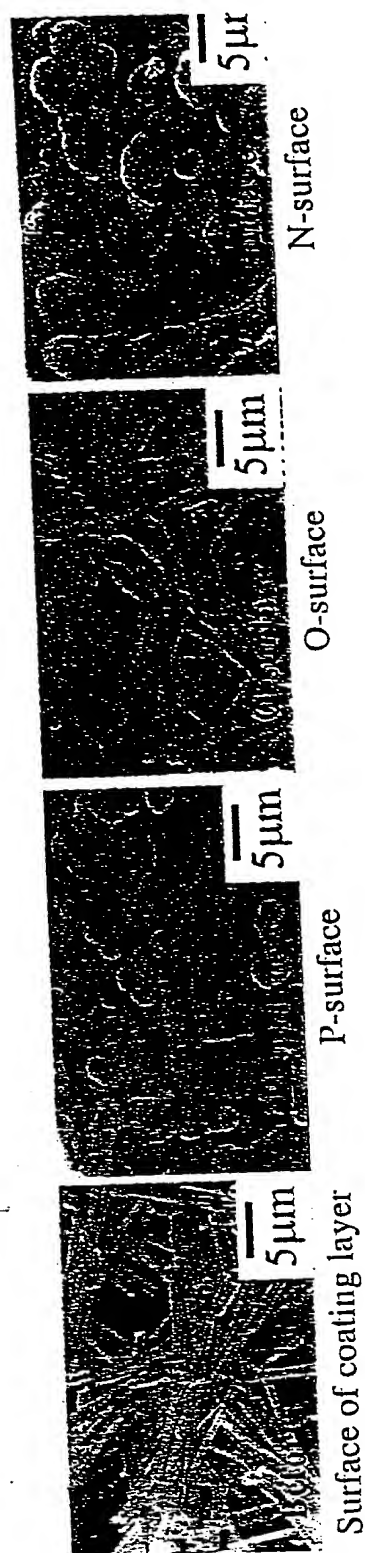


00000-05422560

【図 1 4】



【図 1 5】



00000-0312500

